



#### National Healthcare Safety Network (NHSN)

Introduction to NHSN Analysis: Learning the Terminology

Training Session for NHSN Hospitals
December 14, 2006

## Agenda

- NHSN Home Page Overview
- Data Access Context
- Generating Analysis Data Sets
- Generating Output
- Output Types
- Modifying Output
- Demonstrate Analysis Capabilities
- Announcements
- Q & A

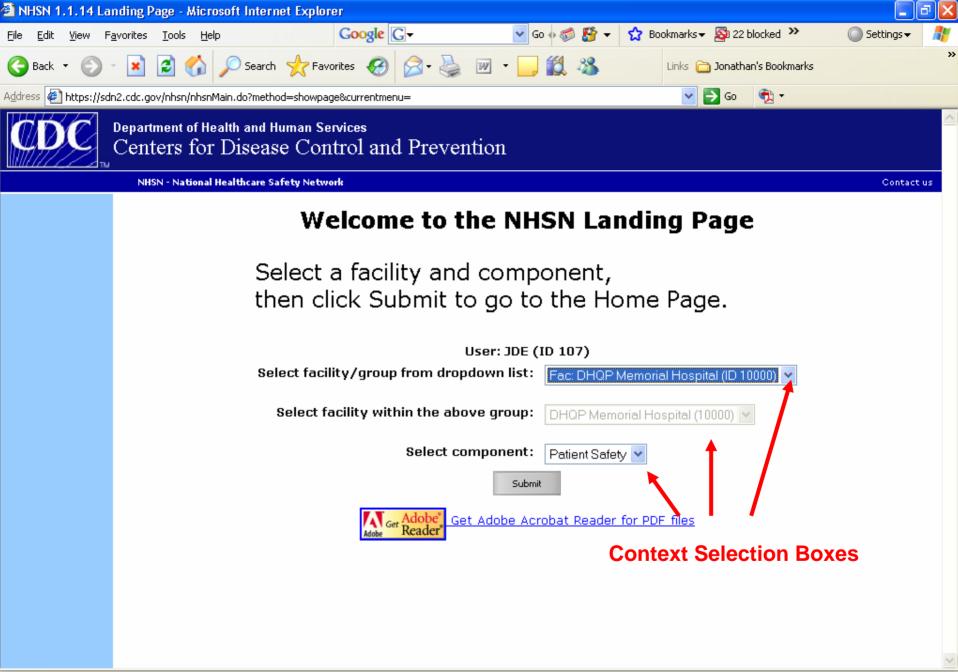
#### **Questions To Answer**

- Where Do I Start?
- What Data Can I Access?
- How Can I Access My Data?
- How Can I Generate Output?
- What Output Can I Generate?
- Can I Customize My Output?
- Demo Analysis Capabilities
- Announcements
- Q & A

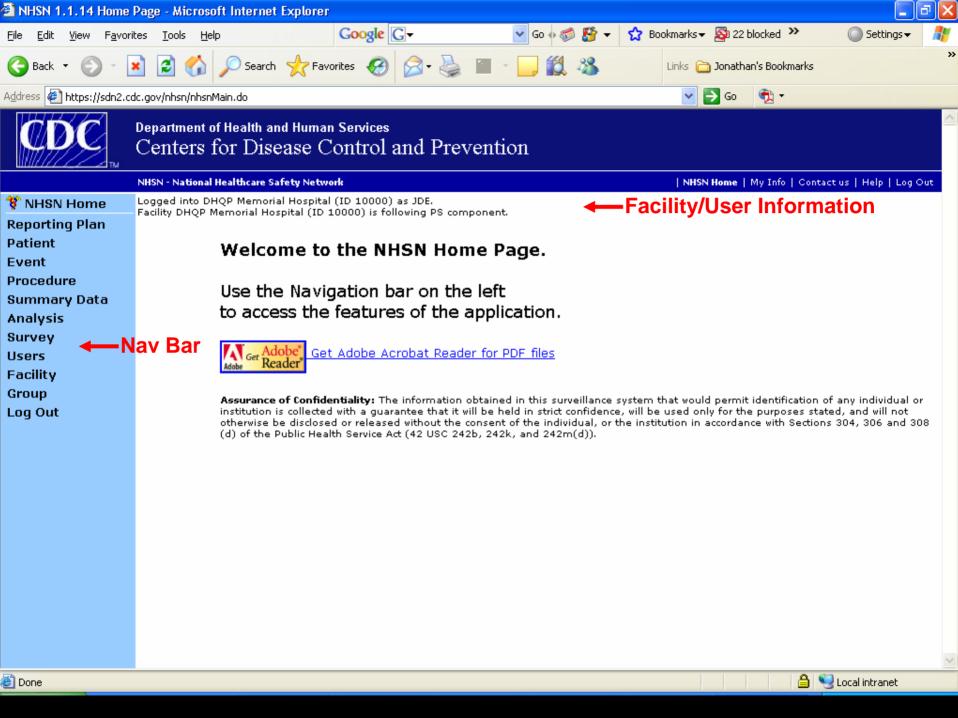


**Answer:** The NHSN Home Page

The NHSN Home Page displays facility and user information, available functions on the Nav Bar, and a series of selection boxes for the user to choose their context









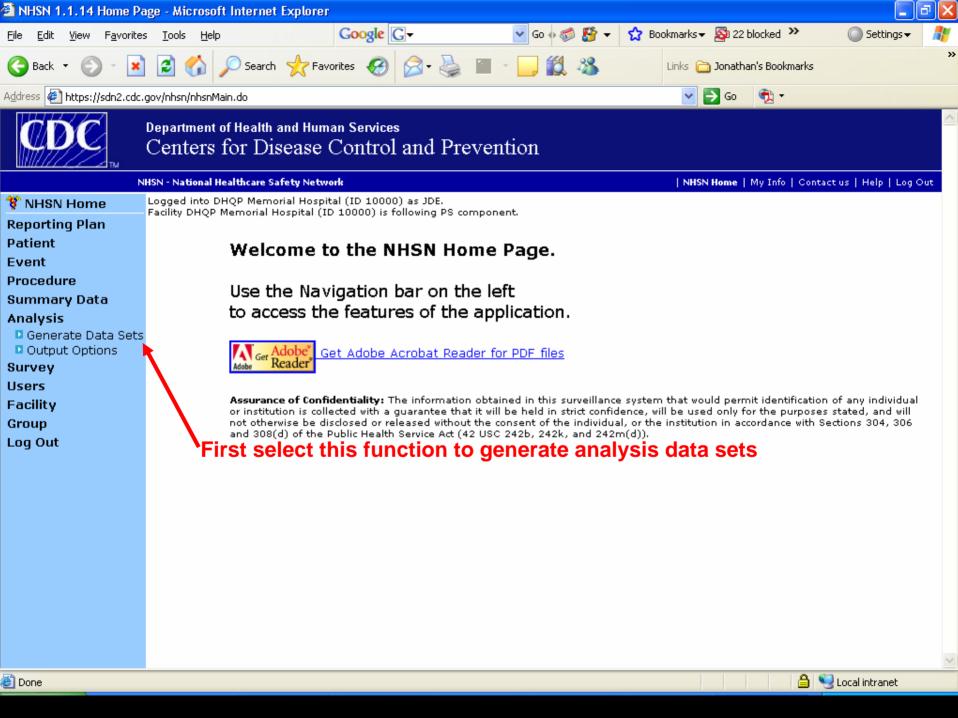
Answer: The data that has been entered by the users at your facility

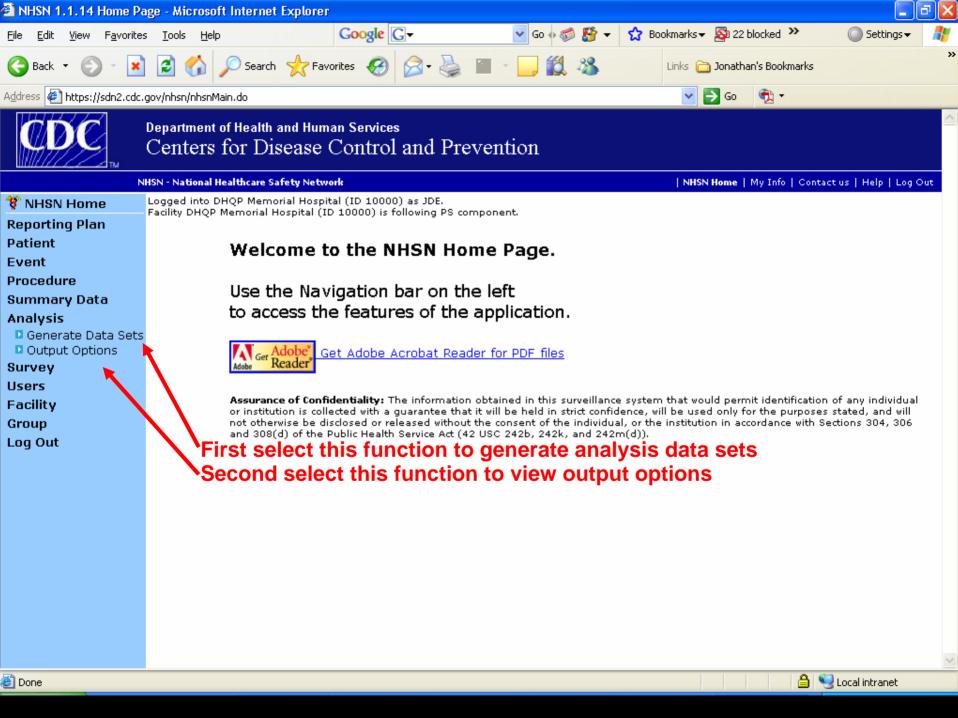
In most cases, a user will have access to analyze all the data entered for a particular facility. The NHSN can be extended to accommodate restricted and/or group access which are considered Advanced topics.

# How Can I Access My Data?

Answer: A user can access facility data by generating analysis data sets and executing available output options.

A user generates their own set of analysis data sets by selecting **Generate Datasets** in the Analysis section of the Nav Bar. Next, a user can select **Output Options** to view available options.





- Generate Datasets: A function on the Nav Bar that allows a user to create one or more datasets to which that user has access.
- Output Options: a function on the Nav Bar that displays the output options available to a user.
- Analysis Data Set: A set of data of a particular type (e.g., Central Line-associated BSI events) created for a user to produce output.

## How Can I Generate Output?

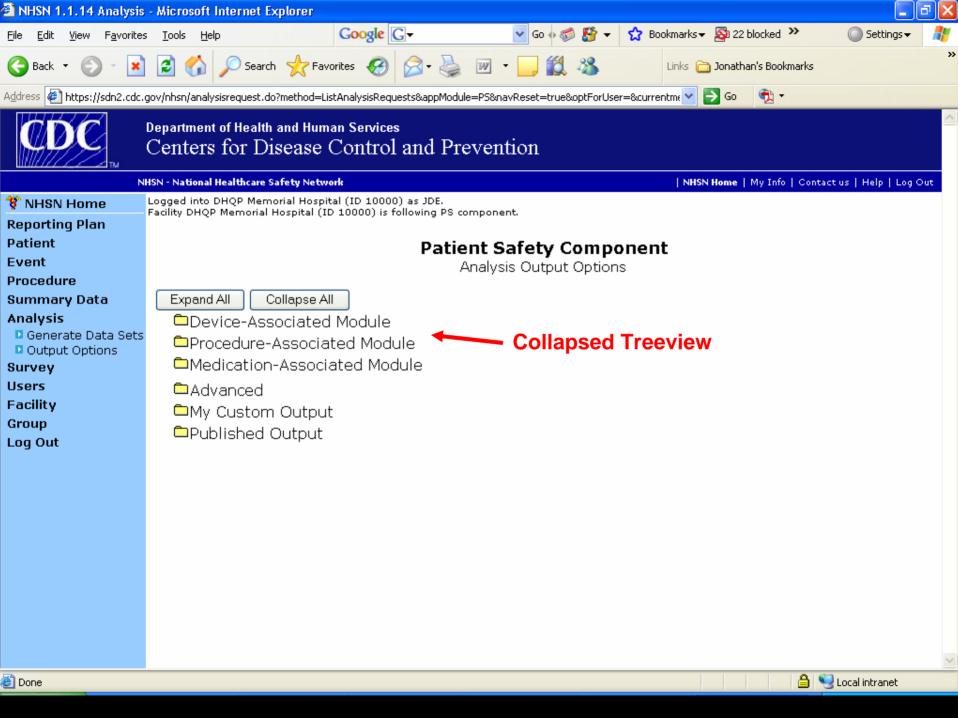
Answer: A user can generate output by navigating the Analysis Output Options Treeview and clicking the Run button beside the desired output option.

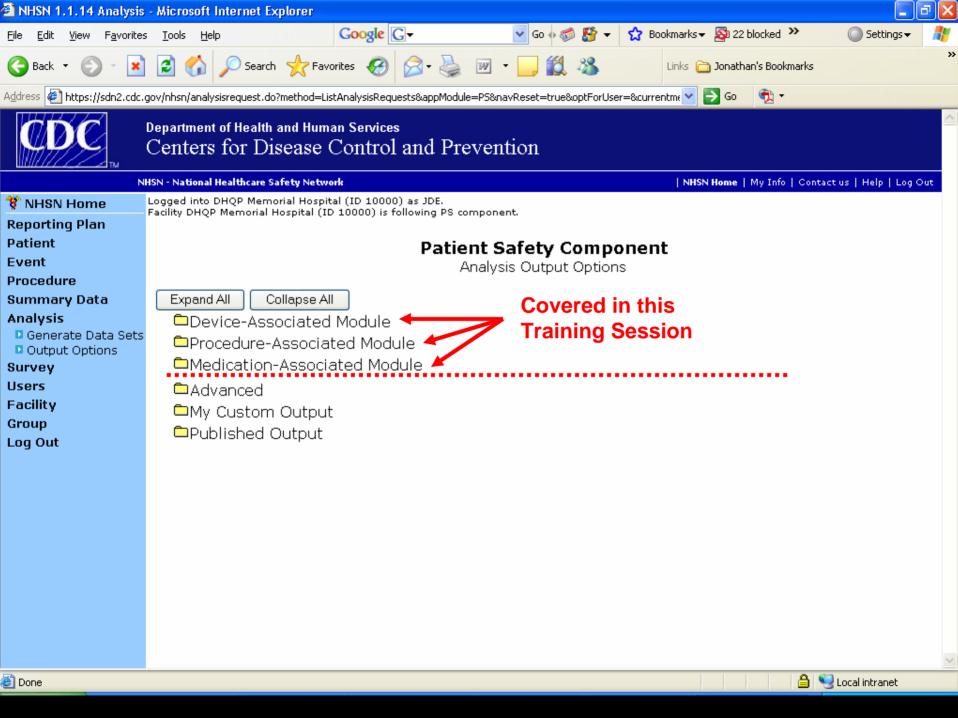
To guide users, the output options have been organized by module with sub-sections that display like a branches of a tree. Hence, the term treeview is used to describe the output options page.



- Device-Associated Module
- Procedure-Associated Module
- Medication-Associated Module

These module-based sections of the Treeview allow a user to select output options by determining the module in which the interested data was collected. This is referred to as the "guided" context.



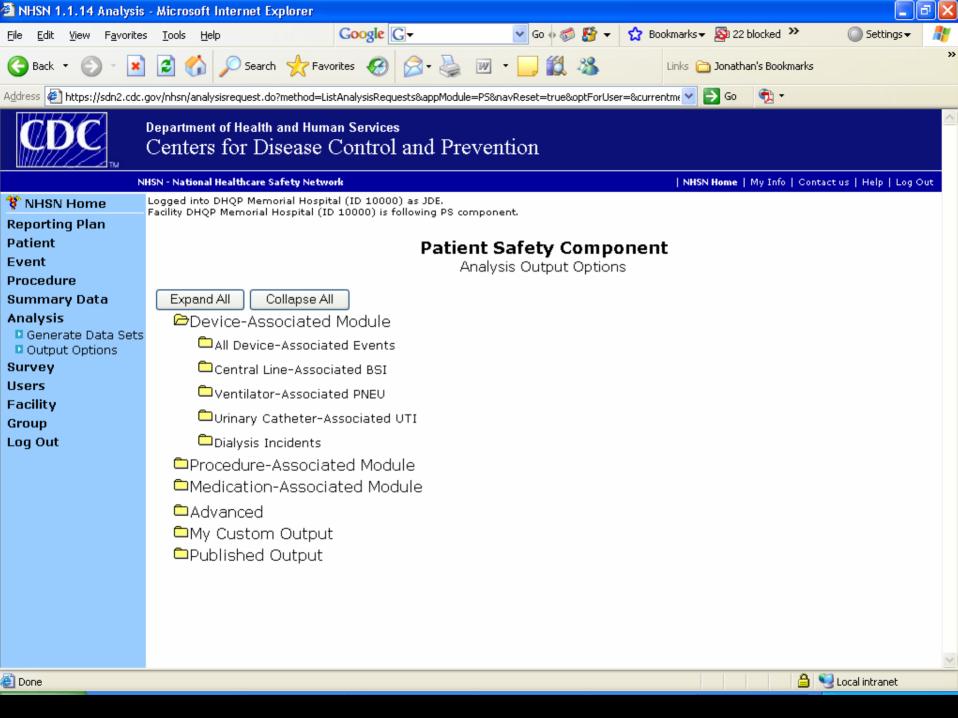


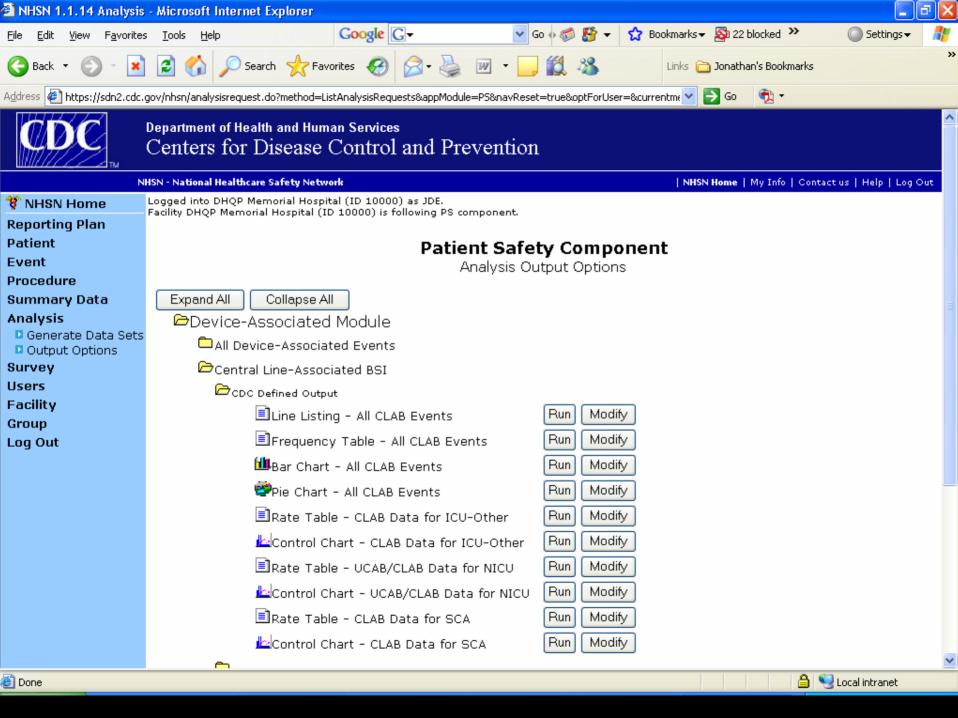
- Treeview: A hierarchical view of a list of items or options that can be collapsed or expanded
- Output Option: a specific option in the Analysis
   Output Option Treeview that can be executed.
   (e.g., Line Listing Central Line-associated BSI Events)

## What Output Can I Generate?

Answer: A user can generate several types of output including line listings, frequency tables, pie charts, bar charts, rate tables, line plots, and control charts.

Each output option uses a specific analysis data set from which to produce output. When an output option is executed, the output will display in a separate browser window which can be printed or saved as a file on a local computer workstation.



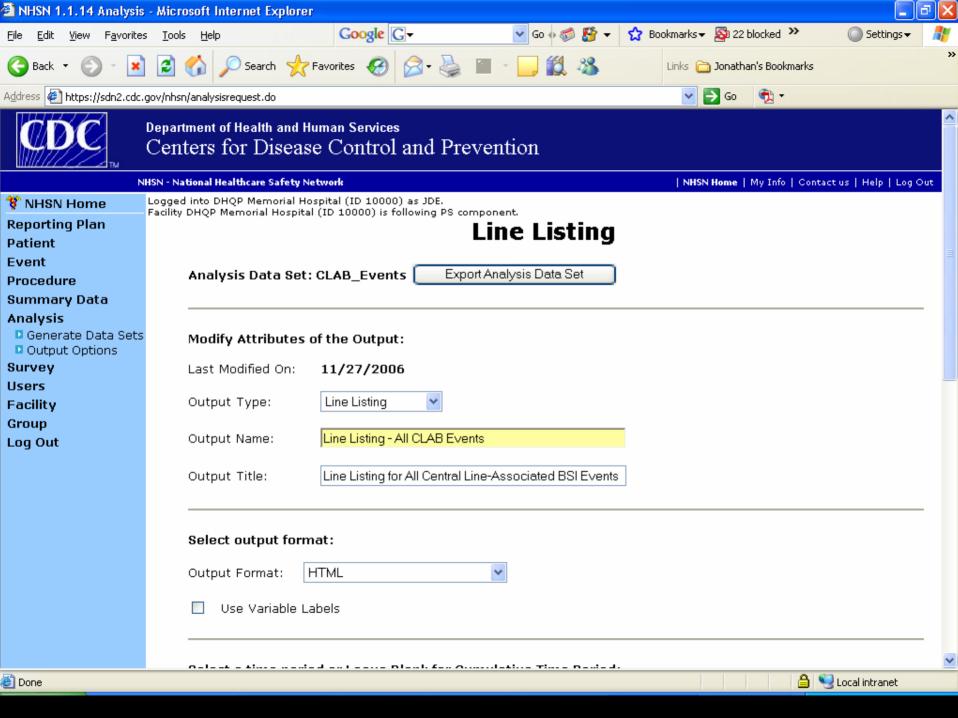


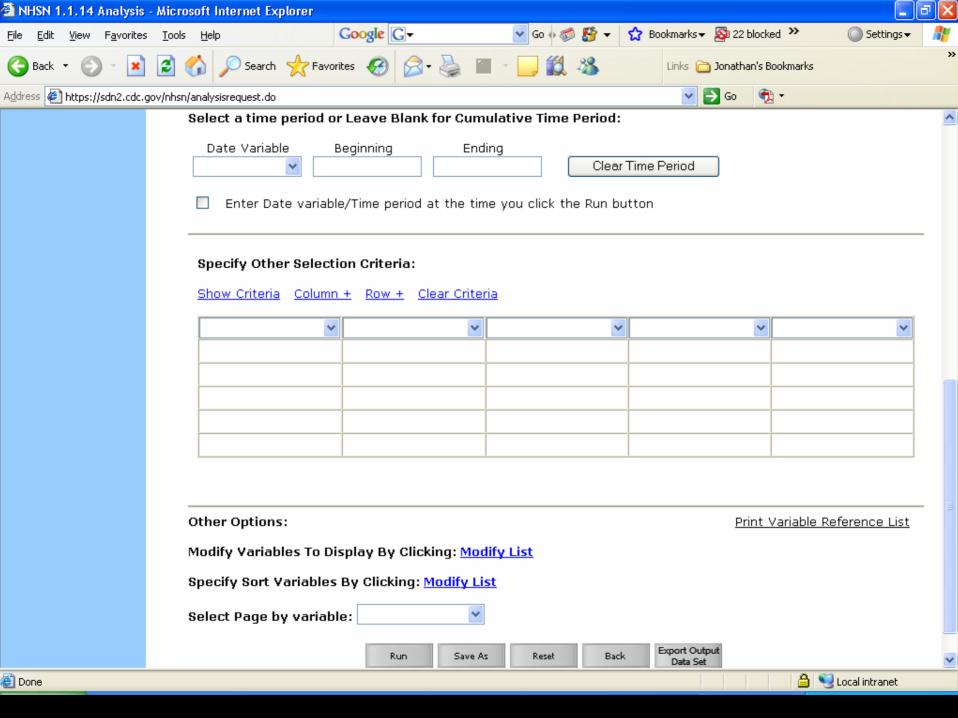
- CDC Defined Output: A section of output options that have been created to help a user generate output of a particular type.
- Output Type: The type of output that will be generated when the Run button is clicked (e.g., line listing). The list of available output types will vary among the analysis data sets.

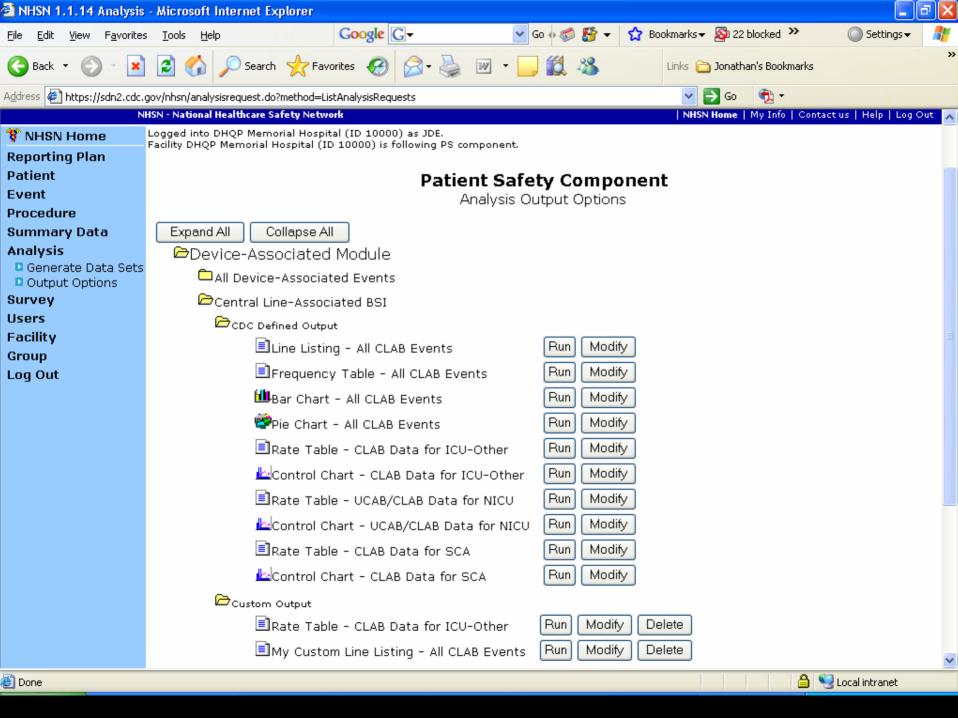
# Can I Customize My Output?

Answer: A user can customize output by clicking the Modify button beside the desired output option which will then display a page of design parameters that can be modified.

Each user has the option to execute the modified output option by clicking the Run button at the bottom of the design page and/or save the modified output option by clicking the Save As button.







- Design Parameters: A list of selection items that allows a user to customize output. The set of design parameters are slightly different for each Output Type.
- Custom Output: a section heading containing output options that have been created by a user to generate a particular type of output.



- Online help messages within NHSN
- Email: nhsn@cdc.gov
- Phone support:800-893-0485 or 404-498-1250
- Members website: http://www.cdc.gov/ncidod/dhqp/nhsn\_members.html





#### Questions?